

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for monitoring a performance of a computing system, comprising:
 - receiving data associated with monitoring performance of at least a portion of the computing ~~device~~ system in accordance with a monitoring scheme;
 - detecting a pattern in the received data; and
 - autonomously adapting the monitoring scheme responsive to the likelihood of the correspondence of the detected pattern to a known pathology pattern.
2. (Currently Amended) The method of claim 1, wherein receiving data associated with monitoring performance of at least a portion of the computing ~~device~~ system comprises receiving data associated with monitoring performance of a computing resource.
3. (Currently Amended) The method of claim 1, further comprising at least one of:
 - modifying the performance of the computing ~~device~~ system in light of a predicted behavior associated with the pattern; and
 - detecting an unknown pattern while autonomously testing the received data.
4. (Original) The method of claim 3, further comprising notifying a user of the detection of the unknown pattern.
5. (Original) The method of claim 1, wherein autonomously testing the received data comprises applying an expert system to the received data.
6. (Original) The method of claim 5, wherein applying the expert system comprises applying a fuzzy logic system.
7. (Currently Amended) The method of claim 1, wherein autonomously adapting the monitoring scheme comprises at least one of varying a frequency of sampling, varying a metric

for the computing resource, and monitoring the performance of the computing device system with respect to another computing resource.

8. (Currently Amended) The method of claim 1, further comprising modifying the performance of the computing device system based on a predicted behavior associated with the pattern.

9. (Original) The method of claim 3, further comprising autonomously adapting the monitoring scheme responsive to detecting the unknown pattern.

10. (Currently Amended) An apparatus for monitoring a performance of a computing device system, comprising:

an interface;

a control unit communicatively coupled to the interface, the control unit adapted to:

receive data over the interface, the data being associated with monitoring performance of at least a portion of the computing device system in accordance with a monitoring scheme;

~~detecting~~ detect a pattern in the received data; and

autonomously adapt the monitoring scheme responsive to detecting the pattern the likelihood of the correspondence of the detected pattern to a known pathology pattern.

11. (Original) The apparatus of claim 10, wherein the control unit is adapted to receive data associated with monitoring performance of a computing resource.

12. (Currently Amended) The apparatus of claim 10, wherein the control unit is further adapted to at least one of:

establish the monitoring scheme;

modify the performance of the computing device system in light of a predicted behavior associated with the pattern; and

detect an unknown pattern while autonomously testing the received data.

13. (Original) The computing apparatus of claim 10, wherein the control unit is further adapted to apply an expert system to the received data.

14. (Currently Amended) The computing apparatus of claim 10, wherein the control unit is further adapted to at least one of vary a frequency of sampling, vary a metric for the computing resource, and monitor the performance of the computing device system with respect to another computing resource.

15. (Currently Amended) A program storage medium encoded with instructions that, when executed by a computing device system, perform a method for monitoring the performance of a computing device system, wherein the encoded method comprises:

receiving data associated with monitoring performance of at least a portion of the computing device system in accordance with a monitoring scheme;
autonomously testing the received data for a pattern in the monitored performance; and
autonomously adapting the monitoring scheme responsive to detecting a likelihood that the detected pattern corresponds to a known pathology pattern.

16. (Currently Amended) The program storage medium of claim 15, wherein receiving data associated with monitoring performance of at least a portion of the computing device system in the encoded method comprises receiving data associated with monitoring performance of a computing resource.

17. (Currently Amended) The program storage medium of claim 15, wherein the encoded method further comprises at least one of:

establishing the monitoring scheme;
modifying the performance of the computing device system in light of a predicted behavior associated with the pattern;
comprising detecting an unknown pattern while autonomously testing the received data;
and
detecting an unknown pattern while autonomously testing the received data.

18. (Original) The program storage medium of claim 15, wherein autonomously testing the received data in the encoded method comprises applying an expert system to the received data.
19. (Currently Amended) The program storage medium of claim 15, wherein autonomously adapting the monitoring scheme in the encoded method comprises at least one of varying a frequency of sampling, varying a metric for the computing resource, and monitoring the performance of the computing device system with respect to another computing resource.